

Section 2.0 - Specification for Abatement and Selective Demolition

Sub Sections 2.1, 2.2 and 2.3

Amendment

Submission Date: January 11, 2008

Title Separating Phase I from Phases IA

Amendment #3 REV02

Reason for the Amendment

Sub-sections 2.1, 2.2 and 2.3 all discuss the exterior façade cleaning to be performed concurrent with Phase I “Clean Zone” abatement. Additionally they discuss that Phase I will not be cleared before the façade cleaning in subsection 2.2 (Phase IA) and sub-section 2.3 (Phase IB) are complete because the personal and waste decontamination units for Phase I are also being utilized for Phases IA and IB. Due to weather delays affecting the façade cleaning in Phase 1A it has become necessary to amend the specification to allow for inspection and clearance of Phase 1 (“Clean Zone” interior work) before the completion of Phase IA (Façade Cleaning of the north, east and south facades).

To continue with the exterior façade cleaning in Phase IA after the clearance of the “Clean Zone” we will need to construct and utilize remote waste and personal decontamination units until such time that we can access the personal and waste decontamination chambers that will be constructed in Phase II to be utilized for Phase III work.

Once Phase I is ready for inspection, (The inspection was performed and passed by the NYCDEP on Thursday, January 3, 2008), Phase IA façade cleaning will be stopped until such time that remote waste and personal decontamination units can be constructed. (Construction complete 010708)

The remote personal decontamination unit will be constructed in accordance with Attachment R, an accepted NYCDEP variance, in the lane closure on Washington Street. The waste decontamination unit will also be constructed in accordance with Attachment R, an accepted NYCDEP variance, on the north scaffold bridge. (See Attached diagrammatic representations)

The workers will don PPE in the “Clean Zone”, which will include two tyvek suit, walk out the Washington Street “Clean Zone” access and proceed north under the scaffold bridge to a ladder access to the top of the scaffold bridge on the north end of the east side of the building. Once on the scaffold bridge they will access the scaffold stairs. Once they have completed their work, the workers will remove one suit on the scaffolding, which will be double bagged and treated as ACM and descend the scaffold stairs to the top of the scaffold bridge and proceed to the ladder access on the north end of the north side of the building and proceed directly to the remote personal decontamination unit located in the lane closure on Washington Street.

Once the permanent personal and waste decontamination units for to be utilized for phase III work are constructed and inspected, our specification already accounts for an access from the

north side of the 1st floor into the elevator lobby in sub-section 2.1, 14th bullet under Preparatory abatement and containment set-up, as follows;

Access to the north “dirty area” of floor 1 may needed before, during and past the time of the ‘Clean Zone” clearance, for OCME search activities. As described in Appendix L, any debris generated from the “Gap Clean-up” that has not previously been screened by the OCME will be stored in the northern half of the first floor. The OCME will need access to perform their sifting and search of the debris. The access to the northern half of the first floor will be through a metal stud and fire rated sheetrock airlock with two metal fire doors (formerly a sealed three layer 6 mil polyethylene curtain door), (to be opened when necessary) in the elevator lobby.

We propose utilizing this access to allow the workers on the supported scaffold to reach the personal and waste decontamination units. (Per Amendment #1 this three layer 6 mil polyethylene curtain door was replaced with a metal stud, fire rated sheetrock airlock with two fire doors) (Construction complete 122207)

Access from the scaffold into the building will be through a metal stud, fire rated sheetrock airlock with two fire doors, (formerly a two stage airlock), as described in sub-section 2.2, 3rd paragraph, 1st bullet. (It should be noted that the original location for this airlock was on the west side of the north exterior wall. This location had to be abandoned and the airlock disassembled and re-constructed on the east side of the north exterior wall due to a Port Authority Sewer Project. During this project a hole was excavated immediately on the outside of this airlock making access impossible.

When the personal and waste decontamination units to be utilized for Phase III work are erected and put under negative pressure, the remote waste and personal decontamination units will be cleared and disassembled and the Phase III units will be utilized by accessing the elevator lobby utilizing the airlock previously described above for the OCME work and the airlock on the east side of the north exterior wall.

The workers will don PPE, which will include two tyvek suits, in the “Clean Zone” walk out the Washington Street “Clean Zone: access and proceed north under the scaffold bridge to a ladder access to the top of the scaffold bridge on the north end of the east side of the building. Once on the scaffold bridge they will access the scaffold stairs. Once they have completed their work, the workers will remove one suit on the scaffolding, which will be double bagged and treated as ACM and descend the scaffold stairs to the top of the scaffold bridge and proceed to the ladder access on the east end of the north side of the building. This ladder will allow them to descend to the platform at the 1st floor east end of the north exterior wall airlock described above. The worker will enter the airlock, one at a time, and enter the “still dirty” north half of the 1st floor and proceed to the airlock in the elevator lobby described above.

Sections of Specification for Abatement and Selective Demolition Affected:

Sub-Section 2.1, 14th bullet under Preparatory abatement and containment set-up;

Edit;

- Final cleaning and clearance of the “Clean Zone” will not be performed until the exterior façade wash down in Phase #IB is complete. Once the façade wash down in Phase #1B is complete, the temporary opening in the barrier wall will then be filled with *metal* studs and *two layers of fire rated sheetrock* and sealed with double 6 mil poly. Additionally, the access to the elevator lobby to the north side of the floor, and the access from the elevator lobby to the stairwell will be sealed. Access to the north “dirty area” of floor 1 may be needed before, during and past the time of the ‘Clean Zone’ clearance, for OCME search activities *and for Phase #IA façade cleaning completion*. As described in Appendix L, any debris generated from the “Gap Clean-up” that has not previously been screened by the OCME will be stored in the northern half of the first floor. The OCME will need access to perform their sifting and search of the debris. The access to the northern half of the first floor will be through *an airlock constructed of metal studs, two layers of fire rated sheetrock and metal fire doors* (to be opened when necessary) *on the north side of* the elevator lobby. After the final cleanings and a visual inspection by the Environmental Consultant, along with EPA and NYCDEP representatives encapsulation will be performed. After the encapsulant is dry, final air clearances will be performed in accordance with Section 3.0 “Specification for Removal of the Building from Containment”. Five sets of asbestos and metals samples will be taken on the first floor. Eight sets of samples will be taken in the basement, including one in the passenger elevator shaft. Seven sets of asbestos and metals will be taken in the main stairwell, one on every odd floor landing including the roof landing (i.e. the thirteenth floor), as well as one each in the fan room.

Sub-section 2.2, 1st paragraph

Concurrent with Phase I, I B *and subsequent phases*, the wash down of the North, East and South exterior façades will be performed per the Building Facade Clean Up procedure (Appendix G) issued by the NYCDEP after the WTC Event.

Sub-section 2.2, 3rd paragraph, 1st bullet;

Edit;

- *An airlock constructed of metal studs, two layers of sheetrock and two fire rated metal doors* will be erected inside a door on the east end of the north side of the 1st floor for workers to enter the Building and access the temporary decon through the temporary *airlock constructed of metal studs, two layers of sheetrock and two fire rated metal doors*, in the barrier wall dividing the south “Clean Zone” and the north “dirty area.”

Sub-section 2.2, 3rd paragraph, 2nd bullet;

Edit and add;

- Final cleaning and clearance of the “Clean Zone” will not be performed until the exterior façade wash down *of Phase #IB is complete*. Once *Phase IB* is complete, the temporary opening in the barrier wall will be filled with *metals studs and fire rated sheetrock* and sealed with double 6 mil poly.

To continue with the exterior façade cleaning in Phase IA after the clearance of the “Clean Zone” we will need to construct and utilize remote waste and personal decontamination units until such time that we can access the personal and waste decontamination chambers that will be constructed in Phase II to be utilized for Phase III work.

Once Phase I is ready for inspection, (The inspection was performed and passed by the NYCDEP on Thursday, January 3, 2008), Phase IA façade cleaning will be stopped until such time that remote waste and personal decontamination units can be constructed. (Construction complete 010708)

The remote personal decontamination unit will be constructed in accordance with Attachment R, an accepted NYCDEP variance, in the lane closure on Washington Street. The waste decontamination unit will also be constructed in accordance with Attachment R, an accepted NYCDEP variance, on the north scaffold bridge. (See Attached diagrammatic representations)

The workers will don PPE to include two tyvek suits in the “Clean Zone” walk out the Washington Street “Clean Zone: access and proceed north

under the scaffold bridge to a ladder access to the top of the scaffold bridge on the north end of the east side of the building. Once on the scaffold bridge they will access the scaffold stairs. Once they have completed their work, the workers will remove one suit on the scaffolding, which will be double bagged and treated as ACM and descend the scaffold stairs to the top of the scaffold bridge and proceed to the ladder access on the north end of the north side of the building and proceed directly to the remote personal decontamination unit located in the lane closure on Washington Street.

Once the permanent personal and waste decontamination units for to be utilized for Phase III work are constructed and inspected they will be utilized in lieu if the remote decontamination units.

The workers will don PPE to include two tyvek suits in the "Clean Zone" walk out the Washington Street "Clean Zone: access and proceeded north under the scaffold bridge to a ladder access to the top of the scaffold bridge on the north end of the east side of the building. Once on the scaffold bridge they will access the scaffold stairs. Once they have completed their work, the workers will remove one suit on the scaffolding, which will be double bagged and treated as ACM and descend the scaffold stairs to the top of the scaffold bridge and proceed to the ladder access on the east end of the north side of the building. This ladder will allow them to descend to the platform at the 1st floor east end of the north exterior wall airlock described above. The worker will enter the airlock, one at a time, and enter the "still dirty" north half of the 1st floor and proceed to the airlock in the elevator lobby described earlier.

Sub-section 2.3, 8th paragraph, 1st bullet;

Edit;

- *An airlock constructed of metal studs, two layers of sheetrock and a fire rated metal door will be erected inside the floor 2 door to the courtyard for workers to enter the Building to access the temporary decon through the temporary airlock constructed of metal studs, two layers of sheetrock and two metal fire doors, in the barrier wall dividing the south "Clean Zone" and the north "dirty area."*

Sub-section 2.3, 8th paragraph, 4th bullet;

Edit;

- Final cleaning and clearance of the “Clean Zone” will not be performed until the exterior façade wash down *of* Phase #1B *is* complete. Once the façade wash down is complete, the temporary opening in the barrier wall will then be filled with *metal* studs and *two layers of sheetrock* and sealed with double 6 mil poly.

Date Implemented:

January 07, 2008

Attachments

Phase IA access to Phase III Decon Chambers (Drawing)

Remote Waste and Personal Decontamination Units Locations (Drawing)

PHASE II:
PHASE III-I: WORK AREA IS

PHASE IA ACCESS TO PHASE III DECON CHANGERS

AIRLOCK ACCESS TO ELEVATOR LOBBY

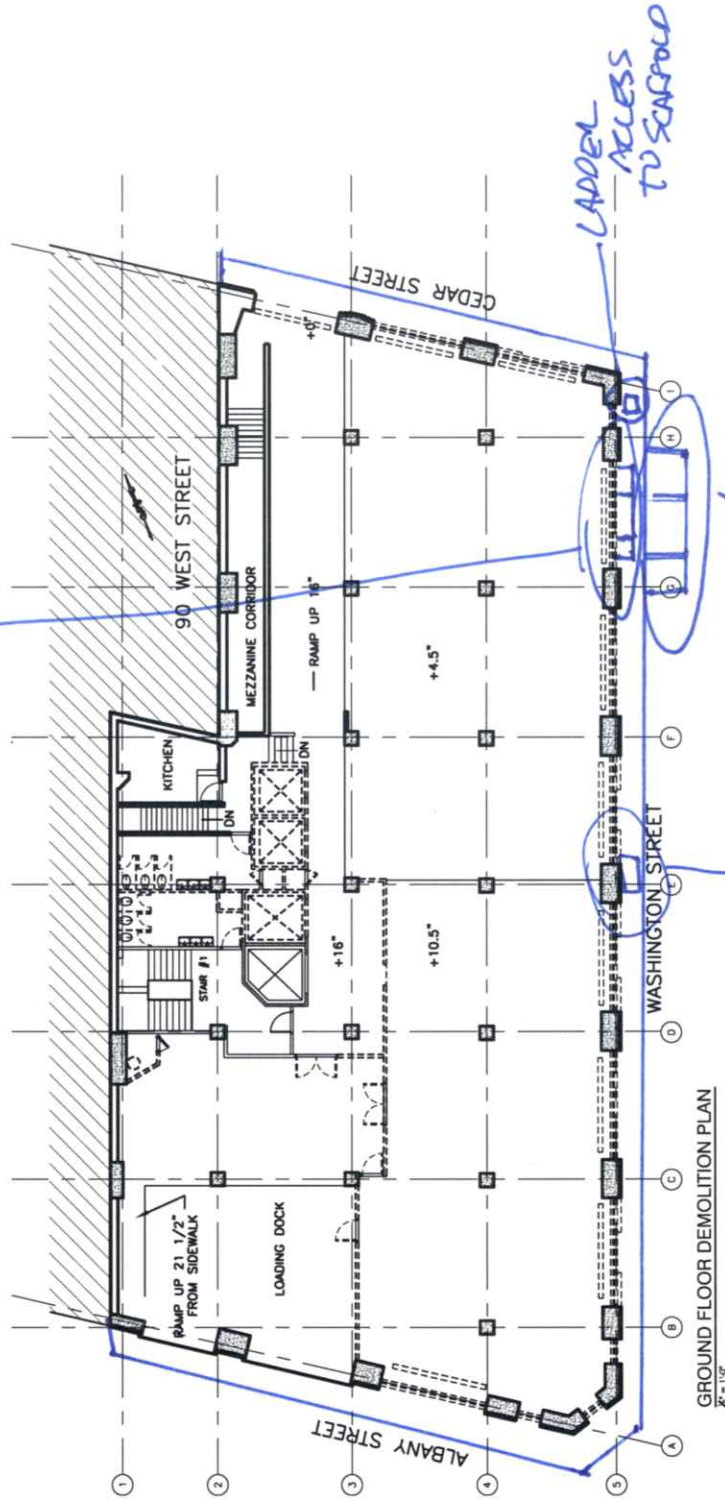


1ST FLOOR

REMOVE WASTE AND PERSONAL DECONTAMINATION UNITS LOCATIONS

130 CEDAR
PHASE I A

REMOVE
WASTE DEZON
ON SCAFFOLD BRIDGE



GROUND FLOOR DEMOLITION PLAN
N = 110°

REMOVE PERSONAL
DEZON IN WASHINGTON ST.
LANE CLOSURE

SCAFFOLD STAIRS
TO ROOF

LADDER
ACCESS
TO SCAFFOLD